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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/768,935	01/23/2001	Jeremy A. Kenyon	41018.P011X	3844

25943 7590 01/31/2003

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EXAMINER

JANKUS, ALMIS R

ART UNIT	PAPER NUMBER
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2671

DATE MAILED: 01/31/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

09/768,935

Applicant(s)

KENYON ET AL.

Examiner

Almis R Jankus

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 January 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,4-11 and 13-27 is/are rejected.
- 7) ☒ Claim(s) 3 and 12 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

1. Claims 1-27 are presented for examination.
2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
3. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
4. Claims 1, 2, 4-11, and 13-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Barros in view of Winter et al.

With respect to claim 1, Barros rendered obvious the claimed method for receiving a requested location; selecting, based on the requested location, a first pre-existing map and its corresponding miniaturized representation, at column 16 lines 30-35, and at figure 6a, the miniaturized representation shown as item 5, the context map; from a plurality of preexisting maps and their corresponding miniaturized representations, which is inherent in the selection process; the first pre-existing map containing a representation of an area that comprises the requested location, column 16 lines 30-35; selecting further a first set of adjacent maps and their corresponding miniaturized representations from the plurality of preexisting maps and their corresponding miniaturized representations, the first set of adjacent maps containing representations of areas immediately adjacent to the area represented by the first map , and sending the selected first map , the miniaturized representation of the first map , the first set of adjacent maps , and the miniaturized representations of the first set of adjacent maps, at column 16 lines 30-35, with the context map being the miniaturized representation of the set of adjacent maps, and the present map, or the base map which is visible in the map area corresponding to the first map.

While Barros teaches most features claimed, it is noted that tiles are not explicitly taught. However, Winter et al. teaches sending adjacent tiles at column 3, lines 48-63.

It would have been obvious to one of ordinary skill in the art at the time of the instant invention to use adjacent tiles because when a tile is requested from the digital database, data of geographic elements which have an area beyond past the edge of the tile are transmitted in such a way that data pertaining to these geographic elements

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are also collected and transmitted outside the requested tile, as taught at Winter et al. at column 2 lines 57-62.

Claim 2 further requires sending processing logic to form a mini map and a visibility area demarcation within the mini map, using said miniaturized representations of the map tiles, the visibility area demarcation denoting an area within the mini map corresponding to the area represented by the first map tile. Barros teaches this at column 10 line 47 to column 11 line 5.

Claims 4 and 5 further require the requested location comprises a street address (claim 4) and a longitude and a latitude (claim 6). Barros teaches this at column 1 line 42 to column 2 line 13.

Claim 6 further requires the set of adjacent map tiles to comprise a plurality of graphical image of the areas immediately adjacent to the area represented by the first map tile. This is inherent in adjacent tiles containing graphics map image data.

Claim 7 further requires sending information describing a visible area to be displayed, the visible area comprising selected portions of the areas represented by the set of first adjacent map tiles and the selected first map tile. Barros teaches this at column 14 lines 54-67.

Claim 8 is similar in scope to claim 1 and is rejected under similar rationale.

Claim 9 further requires receiving, from a user, a request to move in a direction relative to the area of the displayed map, the request being provided by the user interacting with the mini map; and refreshing the displayed map to display a new area reflective of the requested move. Barros teaches as panning at column 2 lines 10-13.

Claims 10, 11, and 13-27 recite features similar to those previously rejected for claims 1, 2, and 7-9, and are rejected under similar respective rationale.

5. Claims 3 and 12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Almis R Jankus whose telephone number is 703-305-9795. The examiner can normally be reached on M-F, 8-5.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Zimmerman can be reached on 703-305-9798. The fax phone numbers for the organization where this application or proceeding is assigned are 703-

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308-6606 for regular communications and 703-308-6606 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4700.

AJ
January 27, 2003



ALMIS R. JANKUS
PRIMARY EXAMINER